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1776 K STREET, N.W.

WASHINGTON, D. C. 20006

(202) 429-7000

June 7, 1995

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FACSIMILE
(202) 429-7049

WRITER'S DIRECT DIAL NUMBER

202-828-7506

HAND DELIVERY

Mr. William F. Caton
Acting Secretary
Federal Communications Commission
1919 M Street, NW
Washington, DC 20554

Re: CC Docket No. 92-297
Ex Parte Presentation

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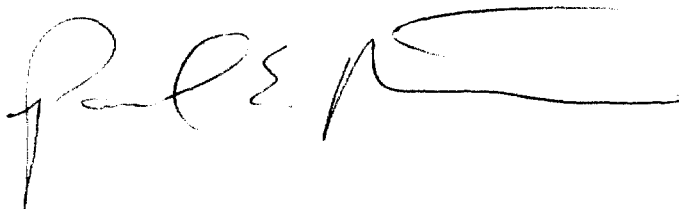
Dear Mr. Caton:

On June 7, 1995, representatives of Texas Instruments, Inc., ("TI") met with Commissioner James C. Quello and Ms. Lauren J. Belvin of his staff; Ms. Lisa B. Smith of Commissioner Barrett's staff; and Mr. Gregory Rosston of the FCC's Office of Plans and Policy on matters related to the pending proceeding in CC Docket No. 92-297. TI was represented by Gene Robinson, Bob Pettit, and Paul Misener.

LMDS technology, the status of frequency sharing plans for the 28 GHz band, and LMDS service and auction rules were discussed; copies of the attached materials were presented.

An original and two copies of this letter are enclosed. A copy of this letter (without attachments) is being provided simultaneously to Mr. Quello, Ms. Belvin, Ms. Smith, and Mr. Rosston.

Respectfully submitted,



Paul E. Misener
Counsel for Texas Instruments, Inc.

Attachments

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List ABCDE

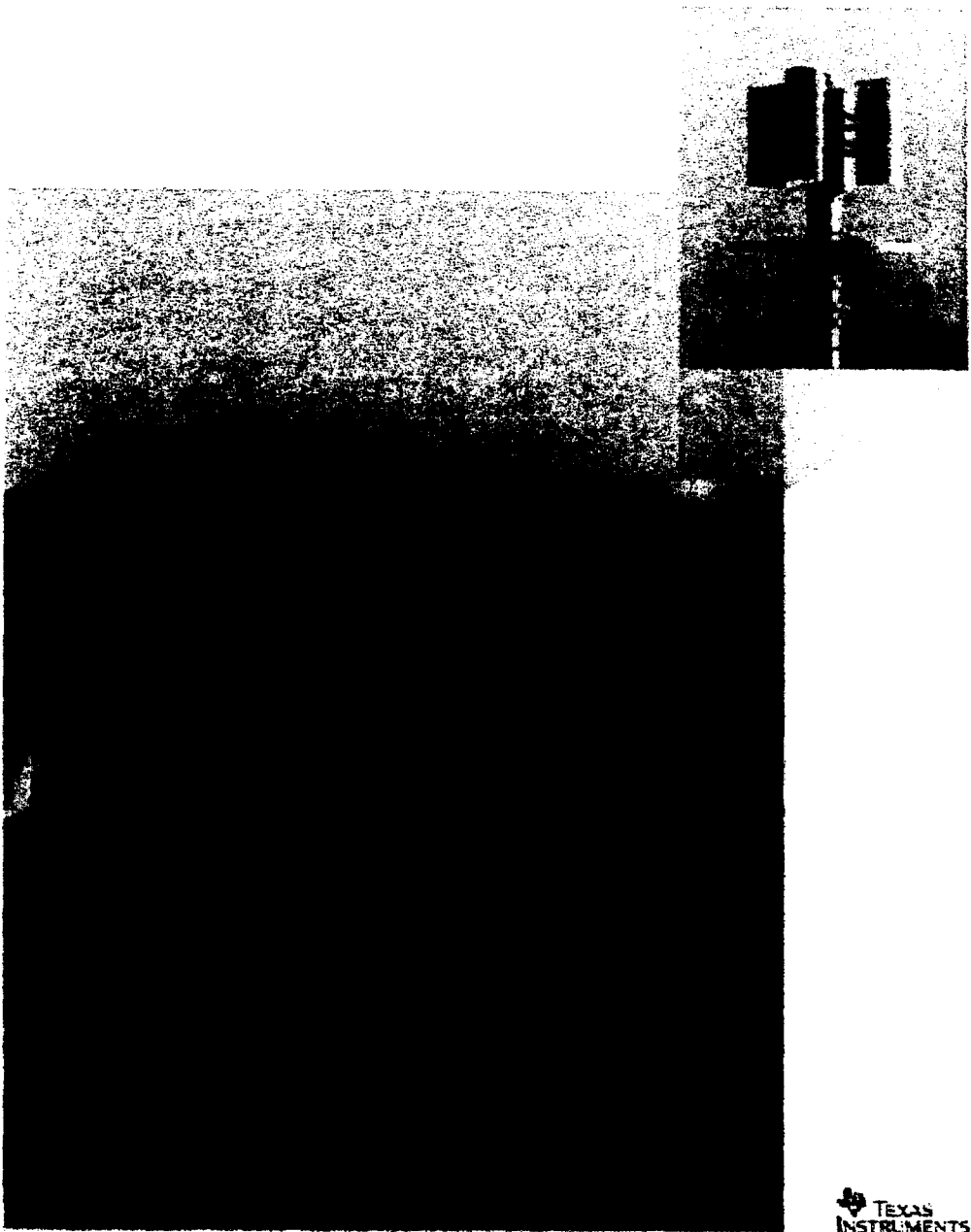
Texas Instruments

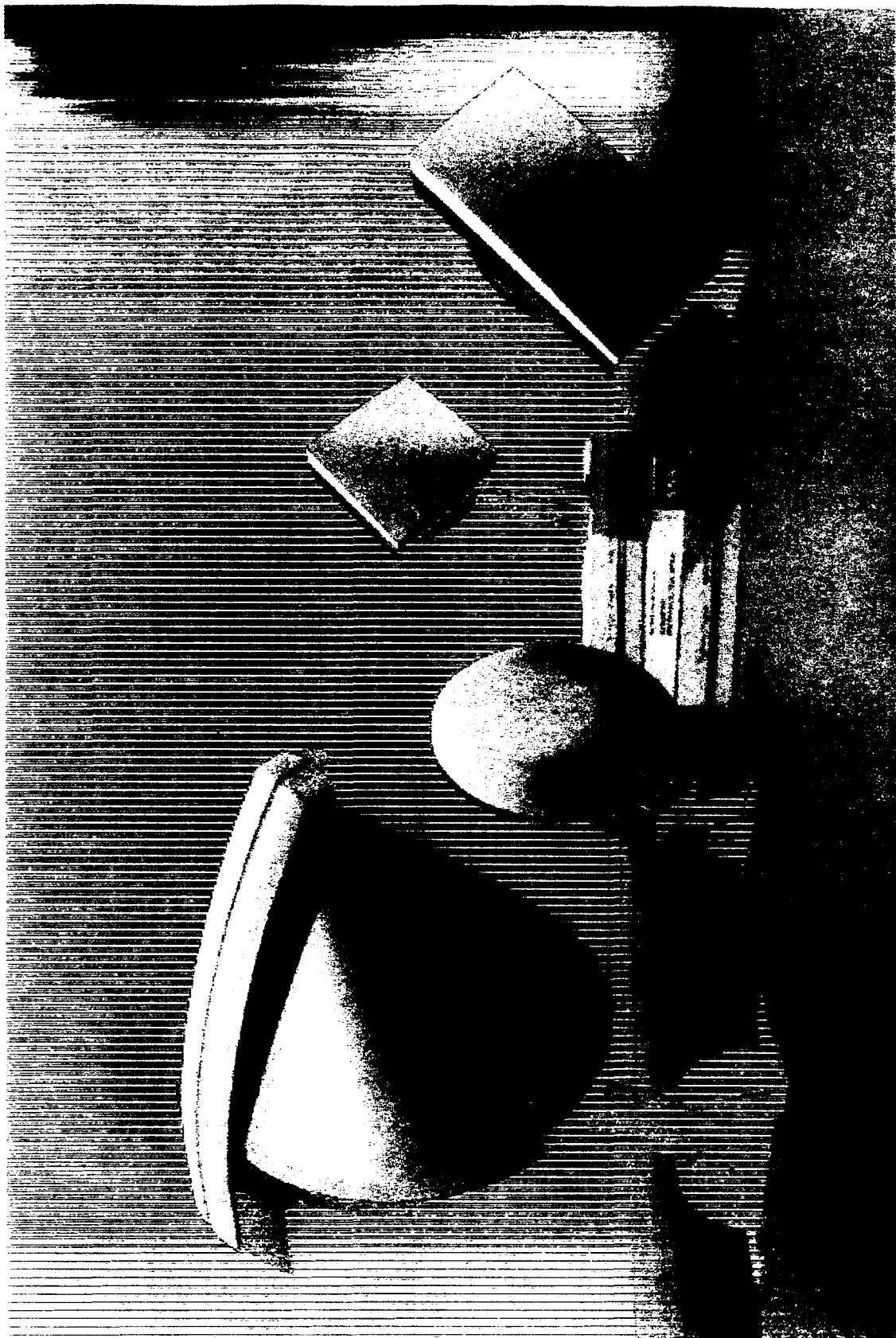
LMDS Digital System

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF SECRETARY





44-10000
NEW PLANTS

LMDS Service

Texas Instruments' Flexible Digital LMDS System Enables Simultaneous Provision of Two-Way, High Data Rate Services to Homes, Schools, and Businesses.

For Example:

- 56 Channels of One-Way Video;
- 200 Channels of Video on Demand; and
- 800 Telephone / Interactive Data Circuits.

In Addition to Competition with Cable, Digital LMDS Can Serve as a Wireless Component of the NII.

Texas Instruments LMDS

- The proposed 28 GHz Local Multipoint Distribution Service (LMDS) is based on state-of-the-art transmission technology developed by Texas Instruments and others.
- This LMDS will enable near-term, relatively inexpensive, delivery of multichannel video and other broadband digital information services to homes, schools and businesses.
- LMDS presents many public interest benefits, including competition with cable TV service, and substantial manufacturing and export opportunities for Texas-based and other American companies.

Texas Instruments LMDS

- In late 1992, the FCC initiated a proceeding to establish frequency allocations and rules for 28 GHz LMDS and, in mid-1994, chartered an industry advisory committee to address spectrum sharing issues in the band.
- Other proposed services for 28 GHz include low earth orbit (LEO) and geostationary orbit (GEO) satellite systems.
- Although a plan was developed for LMDS to share the 28 GHz band with mobile-satellite service “feeder links” for Motorola’s Iridium system, the committee disbanded after failing to reach a solution for accommodating LMDS and other proposed satellite systems.

Texas Instruments LMDS

- In response to an informal request from FCC staff, Texas Instruments initiated discussions this spring with representatives of the other proposed 28 GHz services.
- TI succeeded in drafting a band plan which Texas Instruments jointly filed with Teledesic (a proponent of a LEO satellite system) and Hughes (a proponent of a GEO system).
- Boeing and Hewlett-Packard also have endorsed Texas Instruments' plan.

BAND PLAN

	Services
27.5	LOCAL MULTIPOINT DISTRIBUTION SERVICE Fixed-Satellite Service
28.0	FIXED-SATELLITE SERVICE (Non-GEO) Fixed-Satellite Service (GEO) Fixed
28.5	FIXED-SATELLITE SERVICE (GEO) Fixed-Satellite Service (Non-GEO) Fixed
29.0	FIXED-SATELLITE SERVICE (Non-GEO MSS Feeder Links) LOCAL MULTIPOINT DISTRIBUTION SERVICE
29.5	FIXED-SATELLITE SERVICE (GEO) Fixed-Satellite Service (Non-GEO)
30.0	

*PRIMARY/CO-PRIMARY ALLOCATIONS - CAPITALIZED
Secondary Allocations - Non-Capitalized

SUMMARY

- The Texas Instruments LMDS System is a 28 GHz broadband wireless system capable of providing
VIDEO, (Interactive and Video on Demand)
DIGITAL, and
TELEPHONY
- LMDS needs 1 GHz of 28 GHz spectrum for broadband wireless operations.
- Texas Instruments believes the broadest possible participation in the auction for 28 GHz/LMDS should be allowed.
- Adoption of auction and service rules that do not exclude any potential LMDS service providers would support the public interest.
- Completion of the band plan and domestic allocation should be accomplished before the 1995 ITU World Radiocommunication Conference.

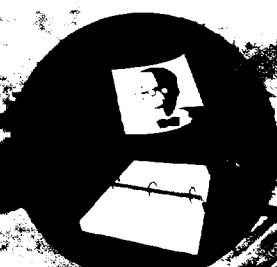


the bottom line is in

The best bottom line – 2-way digital LMDS
from Texas Instruments – no strings attached.



Video on demand



Education

Down town and up town: the better solution

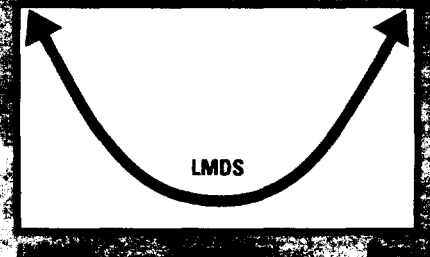
In urban

... Tall buildings
... provide excellent
... and reflectors for
... maximize coverage
... Antennas receive signals easily
... interconnectivity

... you can achieve
... erage — almost overnight
... this high-growth underserved

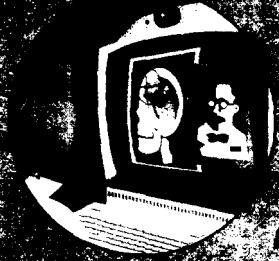
Best Solution for

Cost Advantage
vs. Coax

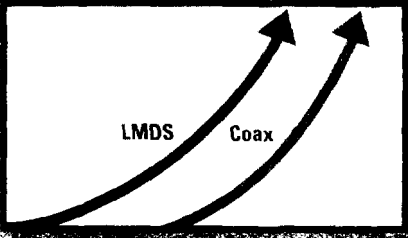
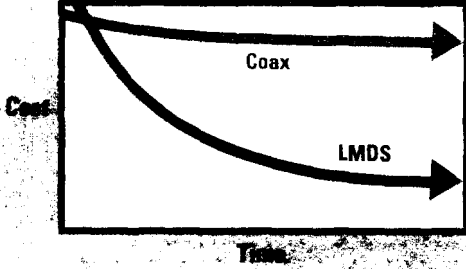


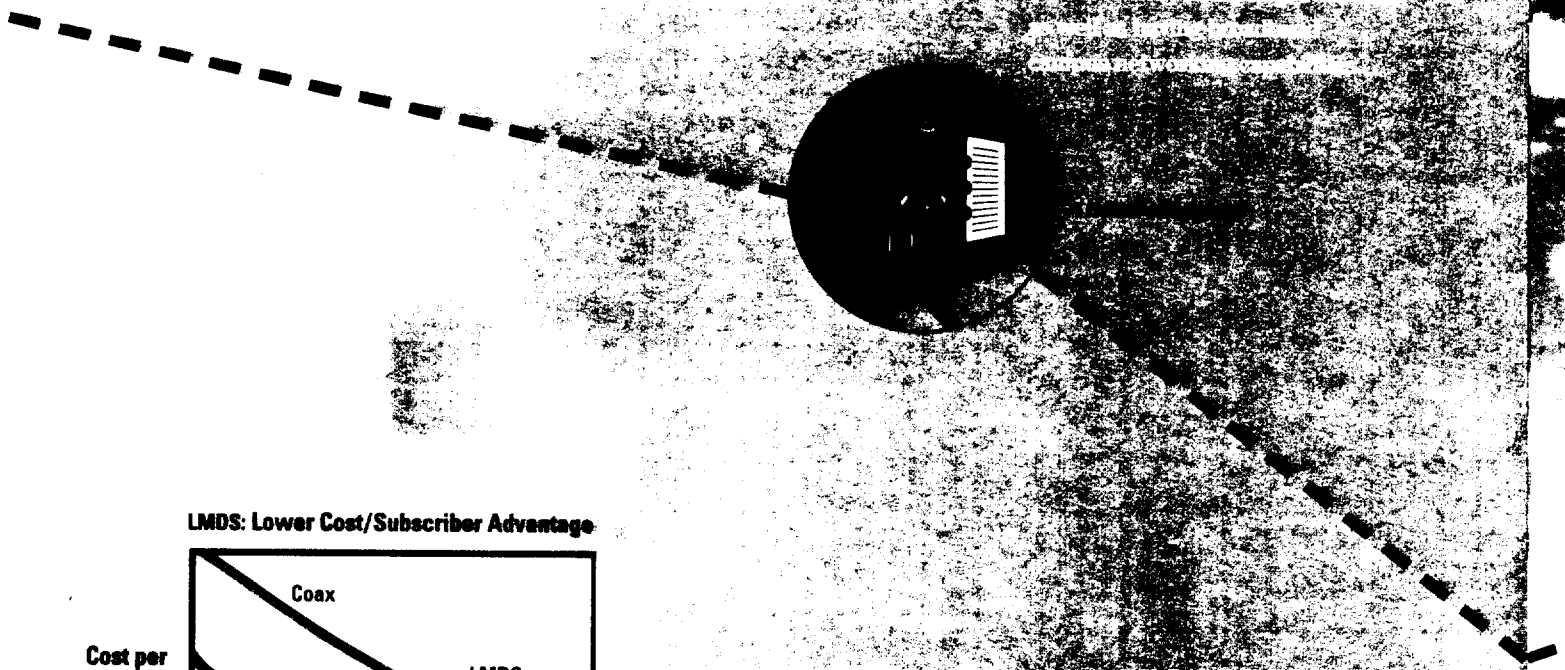
The secret is in the details.

LMDS is a new technology that provides a cost-effective, high-speed data link between a central office and a customer's premises. It is a point-to-point, line-of-sight system that uses a radio frequency spectrum in the 2-10 GHz range. LMDS is a non-licensed technology that can be used for a variety of applications, including voice, video, and data. It is a technology that is being developed by a number of companies, including Lucent Technologies, AT&T, and Bellcore. LMDS is a technology that is being developed by a number of companies, including Lucent Technologies, AT&T, and Bellcore.

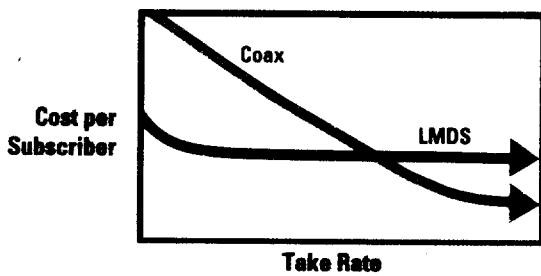


LMDS: Steeper/Faster Vertical





LMDS: Lower Cost/Subscriber Advantage



...ing ... it is now. You ready?

...time ...
...an ...
...strategy ... more inform ...
...help with anal ...
...stration, co ...

Texas Instruments
Communications & Ele
7 ...
Dallas
214 917 1528
214 917 1980 Fax

FOR

Texas Instruments, headquartered in Dallas, Texas, is a leading developer and manufacturer of semiconductors, defense systems, software productivity tools, consumer products, electrical controls and metallurgical materials. In addition to facilities across the continental United States, the company currently operates in more than 30 countries spanning five continents. TI's Defense Systems and Electronics Group won the 1992 Malcolm Baldrige Quality Award.